MMHCC Newsletter December 2004

We wish all Newsletter Subscribers Happy Holidays.

MouseLine

The National Institute of Environmental Health Sciences (NIEHS) will invest $13 million to map the DNA of 15 mouse strains important to laboratory research on human health. This initiative, called the "Resequencing Project" will launch the Institute's Center for Rodent Genetics. "The Resquencing Project has attracted world-wide interest and generated a lot of enthusiasm within the research community," said Kenneth Olden, PhD., Director of NIEHS, one of the National Institutes of Health. "Because the mouse strains will be sequenced in parallel, inter-strain comparison will begin right away, and their entire genomes will be complete within the next two years."

Mouse strains slated for sequencing include: 129S1/SvImJ, A/J, AKR/J, BALB/cByJ, BTBR T+ tf/J, C3H/HeJ, CAST/EiJ, DBA/2J, FVB/NJ, MOLF/EiJ, KK/HlJ, NOD/LtJ, NZW/LacJ, PWD/PhJ, and WSB/EiJ. Since these strains will be sequenced in reference to C57BL/6J, this project will yield extensive DNA information on a total of 16 strains. For the complete press release and more information, please see: http://www.nih.gov/news/pr/oct2004/niehs-25.htm

Selected Meetings

January 26 – 30, 2005
Regulation of Cell Death in Oncogenesis
Waikoloa, Hawaii
Registration and abstract submission deadline: December 13, 2004
Meeting information: http://www.aacr.org/2005Oncogenesis.asp

Selected Meetings cont.

February 23 - 27, 2005
Molecular Pathogenesis of Lung Cancer: Opportunities for Translation to the Clinic
San Diego, California
Deadlines for advanced registration and abstract submission: January 14, 2005
Meeting information: http://www.aacr.org/2005Lungcancer.asp

June 19 - 22, 2005
8th Cancer Research UK - Human Cancer: Modeling the Disease
Glasgow, Scotland
Registration deadline: April 1, 2005
Meeting information: http://www.beatson.gla.ac.uk/conf/index.html

Funding Opportunities

Infectious Agents in the Origins of Chronic Lung Disease
RFA-HL-05-005
National Heart, Lung, and Blood Institute
http://grants2.nih.gov/grants/guide/rfa-files/RFA-HL-05-005.html

Collaborative Studies on Angiogenesis and Diabetic Complications
RFA-DK-04-022
NIDDK, NINDS, NHLBI, NEI
http://grants2.nih.gov/grants/guide/rfa-files/RFA-DK-04-022.html

Activities to Promote Research Collaborations
NOT-CA-05-005
National Cancer Institute
http://grants2.nih.gov/grants/guide/notice-files/NOT-CA-05-005.html

Interdisciplinary Training: Behavior, Environment and Biology
RFA-RM-05-010
This RFA is developed as an NIH Roadmap initiative (http://nihroadmap.nih.gov). All NIH Institutes and Centers participate in Roadmap initiatives. The RFA will be administered by the National Institute of Mental Health, on behalf of the NIH.
http://grants2.nih.gov/grants/guide/rfa-files/RFA-RM-05-010.html

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Repository News

The MMHCC Mouse Repository is an NCI-supported resource for the distribution of mouse cancer models and associated strains. The Repository makes up to 3 breeder pairs of each strain available to all members of the scientific community.

Last Call

The following strains will be supplied as live breeder pairs until the end of December 2004. After this date these strains will be stored as cryo-preserved material. If you foresee using one of these strains in the near future, please order now!

1. FVB/N-Tg(TetO-HRAS)65Lc (TetO-HRAS)
   http://mouse.ncifcrf.gov/available_details.asp?ID=01XB4
2. FVB.129-$Nkx3-1^{tm1Mms}$ (Nkx3.1 null)
   http://mouse.ncifcrf.gov/available_details.asp?ID=01XG1
3. FVB.B6-TgN(TRAMP)8247Ng (FVB-TRAMP)
   http://mouse.ncifcrf.gov/available_details.asp?ID=01XL1
4. 129-$Mdm2^{tm1Mep}$ (Mdm-2puro)
   http://mouse.ncifcrf.gov/available_details.asp?ID=01XH2
5. STOCK Tg(GFAP-tv-a)10Ech (GFAP-TV-A)
   http://mouse.ncifcrf.gov/available_details.asp?ID=01XH5
6. FVB-Tg(ACTB-ALPP)03Jrst [HB-PLAP(A to G)]
   http://mouse.ncifcrf.gov/available_details.asp?ID=01XJ3

Newly accepted strains

The following strains have recently been accepted into the MMHCC Repository and are available or will be soon available for distribution (please click on the specific link, below, for additional information):

1. B6.129S2-$Trp53^{tm1Tyj}$ (p53 null)
   http://mouse.ncifcrf.gov/available_details.asp?ID=01BM4
2. B6;129S1-$Cdkn2a^{tm1(GFP)Cjs}$ (Arf)
   http://mouse.ncifcrf.gov/details.asp?ID=01XL7

More information about these strains as well as a list of all available strains can be found on the Mouse Repository's website: http://mouse.ncifcrf.gov

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Strains Available as Frozen Embryos

The following strains have been cryo-preserved and are available as frozen embryos only. Quality control experiments were performed at NCI-Frederick to ensure that live mice of the proper genotype can be recovered from the frozen material. Approximately 25-30 embryos will be provided per shipment.

The Recipient Scientist (RS) will be responsible for the recovery of live mice and all costs associated therewith, as well as the transfer of a suitable cryo-material shipping container to NCI-Frederick and back to the recipient laboratory. Since the MMHCC Repository has no control over the cryo-recovery methods and procedures used by the RS's laboratory, the Repository will not be responsible for failure to recover live mice.

1. FVB-Tg(ACTB-ALPP)02Jrst [HB-Plap(G11)]
   http://mouse.ncifcrf.gov/available_details.asp?ID=01XH7
2. FVB-Tg(ACTB-ALPP)01Jrst (HB-PLAP)
   http://mouse.ncifcrf.gov/available_details.asp?ID=01XH6
3. 129-$Nf1^{tm1Fcr}$ [Nf1 null (129)]
   http://mouse.ncifcrf.gov/available_details.asp?ID=01XF2
4. B6;129-$Cdkn2a^{tm1Cjs}$ [p19(Arf) null]
   http://mouse.ncifcrf.gov/available_details.asp?ID=01XF6
5. FVB;129-$Men1^{tm1.1Ctre}$ (Men1 null, Men1deltaN3-8)
   http://mouse.ncifcrf.gov/available_details.asp?ID=01XC7
6. STOCK $Brca1^{tm1Cxd}$ (Brca1 null, Brca1 KO)
   http://mouse.ncifcrf.gov/available_details.asp?ID=01XC4
7. STOCK $Brca1^{tm2.1Cxd}$ (Brca1 Exon 11 del)
   http://mouse.ncifcrf.gov/available_details.asp?ID=01XC9
8. FVB/N-Tg(Trp53R172H)8512Jmr (Tg p53 R172H)
   http://mouse.ncifcrf.gov/available_details.asp?ID=01XE5
9. B6.129-$Mlh1^{tm1Rak}$ (Mlh1 null)
   http://mouse.ncifcrf.gov/available_details.asp?ID=01XA2
10. B6.129-$Msh2^{tm1Rak}$ (Msh2 null)
    http://mouse.ncifcrf.gov/available_details.asp?ID=01XA5
11. B6.129-$Msh3^{tm1Rak}$ (Msh3 null)
    http://mouse.ncifcrf.gov/available_details.asp?ID=01XA3
12. B6.129-$Msh6^{tm1Rak}$ (Msh6 null)
    http://mouse.ncifcrf.gov/available_details.asp?ID=01XA4
13. C3H/He-Tg(RIP1-Tag5)5Dh (RIP1-Tag5)
    http://mouse.ncifcrf.gov/available_details.asp?ID=01XD4
14. C3.Cg-Tg(RIP1-Tag2)2Dh (RIP1-Tag2)
    http://mouse.ncifcrf.gov/available_details.asp?ID=01XD6
15. C3;B6-Tg(CTSG-PML/RARa)135Ley (PML-RARa)
    http://mouse.ncifcrf.gov/available_details.asp?ID=01P05
16. C3;B6-Tg(CTSG-RARa/PML)2683Ley (RARa-PML)
    http://mouse.ncifcrf.gov/available_details.asp?ID=01R07
17. FVB-Tg(Pbsn-Akt1)9Wrs (Akt1, MPAKT)
    http://mouse.ncifcrf.gov/available_details.asp?ID=01XJ7
18. B6;129-$Nkx3-1^{tm1Mms}$ (Nkx3.1 null)
    http://mouse.ncifcrf.gov/available_details.asp?ID=01XB3
19. B6.129-$Nkx3-1^{tm1Mms}$ (Nkx3.1 null)
    http://mouse.ncifcrf.gov/available_details.asp?ID=01XF9

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